

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -  
CALEXICO, CALIFORNIA  
MAY 2021 WATER QUALITY DATA

**FIELD MEASUREMENTS**

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) <sup>1</sup>		(mg/L) <sup>2</sup>	(µS/cm) <sup>3</sup>
05/18/21	09:20	24.5	7.6	3.9	5,433

**FIELD OBSERVATIONS**

05/18/21 09:20- Ambient air temp 81°F. Water color is green/brown. Sky is clear. Slight breeze, 3 miles per hour. No foam present. No odor detected.

NOTES- Turtle swimming.

**BACTERIAL ANALYSIS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) <sup>4</sup>
05/18/21	09:05	3,300 (1:100 dilution)
05/18/21	09:06	3,300 (1:100 dilution)
05/18/21	09:07	<1,800 <sup>5</sup> (1:1000 dilution)
05/18/21	09:08	<1,800 (1:1000 dilution)

<sup>1</sup> Water temperature is reported in units of degrees Celsius (°C).

<sup>2</sup> Dissolved oxygen (D.O.) is reported in units of milligrams per liter.

<sup>3</sup> Specific conductivity is reported in units of microSiemens per centimeter.

<sup>4</sup> Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.

<sup>5</sup> Fecal coliform is less than the lower reporting limit.

**CHEMICAL ANALYSIS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION (mg/L) <sup>6</sup>
05/18/21	Ammonia as Nitrogen	SM 4500 NH3 HG	1	10
05/18/21	Ammonia as Nitrogen	SM 4500 NH3 HG	1	9.8
05/18/21	Total Kjeldahl Nitrogen	EPA 351.2	1	15
05/18/21	Total Kjeldahl Nitrogen	EPA 351.2	1	15
05/18/21	Total Phosphorus	SM 4500-P BE	0.1	2.2
05/18/21	Total Phosphorus	SM 4500-P BE	0.1	2.2
05/18/21	Total Suspended Solids	SM 2540 D	10	36
05/18/21	BOD <sup>7</sup>	SM 5210 B	5	14
05/18/21	BOD	SM 5210 B	5	14
05/18/21	Arsenic	EPA 200.8	0.001	0.008
05/18/21	Arsenic	EPA 200.8	0.001	0.008
05/18/21	Selenium	EPA 200.8	0.0005	0.008
05/18/21	Selenium	EPA 200.8	0.0005	0.009

<sup>6</sup> The concentrations are reported in units of milligrams per liter.

<sup>7</sup> Biochemical Oxygen Demand.